

# METHOD AND SYSTEM FOR ADDING USER-PROVIDED CONTENT TO A CONTENT OBJECT STORED IN A DATA REPOSITORY

## ABSTRACT

5 A web-based system, method and program product are provided for adding  
content to a content object stored (e.g., a custom compilation or prepublished work) in a data  
repository as a group of hierarchically related content entities. Each noncontainer content object  
is preferably stored as a separate entity in the data repository. Each content entity is also stored  
as a row in a digital library index class as a collection of attributes and references to related  
10 content entities and containers. As the user selects desired objects for inclusion in a content  
object, the system arranges the objects hierarchically, e.g., into volumes, chapters and sections  
according to the order specified by the user. The system then creates a file object (e.g., a CBO)  
defining the content object that contains a list or outline of the container and noncontainer  
entities selected, their identifiers, order and structure. This file object is stored separately in the  
data repository. User-provided content is added to the compilation by receiving input content  
and a target location in the content object from a user, assigning the content an identifier, storing  
the content in the data repository, and adding its identifier to the list or outline. As an aspect of  
the invention, a user interface is provided including mechanisms for enabling a user to input the  
content and specify a target location for the content (e.g., by inserting the title of the  
20 user-provided content entity between other entity titles on the outline. Both containers and  
noncontainers may be added in this fashion.